



CONSTRUCTION EQUIPMENT

619708 VOLVO A35G 340108 - DIESEL ENGINE



Sample No: VCP431524
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 619708



SAMPLE INFORMATION

Sample Number	VCP431524	VCP410700	VCP396226	VCP373319
Sample Date	12 Oct 2023	19 Apr 2023	03 Nov 2022	06 Jul 2022
Machine Hours	9313	8835	8376	7952
Oil Hours	500	0	500	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	ATTENTION

BLAZE CONSTRUCTION

5640 ST JEAN ST
 DETROIT, MI
 US 48213
 Contact: DAVE WARD
 dward@blazecontracting.net
 T: (248)632-2317
 F:



OIL CONDITION

Visc @ 100°C	cSt	12.9	12.6	▲ 12.0	▲ 12.4
Base Number (BN)	mg KOH/g	8.9	8.3	10.8	10.1
Oxidation (PA)	%	54	52	60	61

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.2
Nitration (PA)	%	49	50	58	63
Sulfation (PA)	%	49	45	54	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	2	2
Sodium	ppm	1	1	0	2
Potassium	ppm	0	<1	2	<1



WEAR METALS

Iron	ppm	4	3	3	4
Copper	ppm	1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	54	57	61	61
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	943	1159	1068	1119
Magnesium	ppm	816	958	915	939
Zinc	ppm	1041	1257	1263	1222
Phosphorus	ppm	878	1044	1049	1057
Barium	ppm	0	0	0	0
Boron	ppm	0	8	1	8

Depot: BLADET
Unique No: 10698239
Signed: Don Baldrige
Report Date: 18 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

